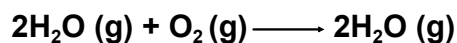


Vocab:

- **Coefficients:** numbers that go in front of atoms/molecules in a balanced chemical equation; purpose is ONLY to balance the **equation**
- **Subscripts:** numbers that go to the bottom right of elements in a compound, purpose is ONLY to balance the **formula**; these **CANNOT** be changed to balance the **equation**
- **Reactants:** atoms/molecules on the left side of a chemical equation
- **Products:** atoms/molecules on the right side of a chemical equation
- **Yields:** arrow sign, reactants yield products
- **Word Equation:** chemical equation written with words instead of chemical formulas
- **Law of Conservation of Mass:** in a chemical process, reactants cannot be created or destroyed

Nov 4-9:43 AM

Information in a Chemical Equation:



- (s) = *solid*
- (l) = *liquid*
- (g) = *gas*
- (aq) = *aqueous*
 - > *solution where the solvent is water*

Nov 4-9:43 AM

Balancing Equations Tips and Tricks

1. Save lone elements for last
2. Group polyatomics if they are the same on both sides.
3. When balancing a combustion reaction, balance C first and O last.
4. Try to get odd numbers even first.

Nov 4-9:43 AM